



Well Construction Details and Log of Boring RIPZ-11

Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

PLATE

E9-22

DRAWN	JOB NUMBER	CHECKED	CHK'D DATE	APPROVED	APPR'D DATE
CN	4088097619	WJF	1/11	WBC	1/11

Well Construction Details

Date 11/10/04

Driller Air Rotary

Drilling Method ARCH

Sampler Continuous Core

Hammer Weight NA Drop NA

Logged by Datum

Surface Elevation 485.23 Hole Dia. 6.5 in.

Northing 505370.34 Easting 1237292.421

2" DIA. SLOTTED
(0.040") CASING:
30 to 50 ft.

BOTTOM WELL
CAP: 50.5 ft.
HOLE CLEANED
OUT to 51 FT.

BACKFILLED
WITH
BENTONITE
CHIPS: 51 to 65
ft.

Recovery
(inches)
PID Reading
(ppm)

Depth (ft.)
Sample

@ 35 ft.: No significant oxides along fractures, more competent; high angle fracture from 35.2 - 36.7 ft.; iron oxide at top of fracture, no iron oxide by the bottom

@ 38.2 ft.: Subhorizontal fractures at 38.2, 39.1, 39.3, 39.6, 41 and 41.2 ft., subvertical fracture from 40.5 - 41.1 ft.

From 41- 42 ft.: Friable

@ 42.8 ft.: Subangular fractures at 42.8, 44, and 44.7 ft.

@ 47 ft.: Subvertical fractures from 47 - 48 ft., 48.5 - 49 ft., and 49.3 - 50 ft.

@ 49.2 and 50.7 ft.: White layer

@ 50 ft.: Intermittently friable, platy

From 52 - 54 ft.: massive and competent

@ 55 ft.: Massive

From 56 - 56.6 ft. and 56.9 - 58.1 ft.: Subvertical fractures

@ 56.5 and 56.8 ft.: Subhorizontal fractures, no oxides

@ 60.6 ft.: White layer

@ 61 ft.: Driller notes harder drilling
Subvertical fractures at 60.8, 61.5, 62.2 and 63.7 ft.

@ 64.3 and 64.7 ft.: White layers

Bottom of boring at 65 ft.

BORING_WELL2_CASMALIA_RIFS.GPJ GEOL.GDT 12/13/10

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